(12) 按照专利合作条约所公布的国际申请

(19) 世界知识产权组织 国际局

(43) 国际公布日: 2004年4月8日(08.04.2004)



PCT

(10) 国际公布号: WO 2004/029811 A1

(51) 国际分类号⁷:

G06F 12/00

(21) 国际申请号:

PCT/CN2003/000823

(22) 国际申请日:

2003年9月26日(26.09.2003)

(25) 申请语言:

中文

(26) 公布语官:

中文

(30) 优先权: 02134847.2

2002年9月26日(26.09.2002)

CN

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- (81) 指定国(国家): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
- (84) 指定国(地区): ARIPO专利(GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), 欧亚专利(AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), 欧洲专利(AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI专利(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

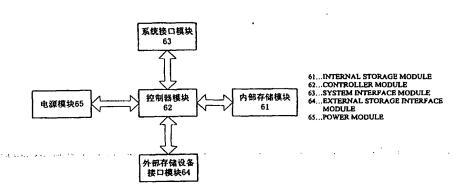
本国际公布:

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(54) Title: DEVICE AND METHOD FOR PROVIDING DATA EXCHANGE AND STORAGE

(54) 发明名称: 数据交换及存储装置及其方法



(57) Abstract: The invention relates to a device and method for providing data exchange and storage. The said device includes a controller module (62) which includes a firmware for controlling operation of each modules in the said data exchange and storage device (60) and performing data processing and information exchange; and an internal storage module (61) for storing data under controlling of the said controller module (62); and a system interface (63) module connecting with system interface and performing data exchange with the said data processing system (10) under controlling of the said controller module (62); and an external storage interface module (64) connecting with external storage equipment and performing data exchange with the external storage equipment under controlling of the said controller module (62). The device can accomplish connection with data processing system of various type interfaces and external storage equipment of various type interfaces. The device can also implements function that the data processing system access to the interior storage module and the external storage equipment, thereby the device of invention can be named an individual moveable storage center for users.

[见续页]

(57) 摘要

本发明提供一种数据交换及存储装置及其方法。所述装置包括控制器模块 (62), 包含有固化软件,用于控制所述数据交换及存储装置 (60) 中各模块的操作,和进行数据处理和信息交换;内部存储模块 (61),在所述控制器模块 (62) 的控制下存储数据;系统接口模块 (63),与数据处理系统 (10) 连接,并在所述控制器模块 (62) 的控制下与所述数据处理系统 (10) 进行数据交换;外部存储设备接口模块 (64),与外部存储设备连接,并在所述控制器模块 (62) 的控制下与所述外部存储设备进行数据交换。本发明的装置可实现与不同接口类型的数据处理系统和多种不同类型的外部存储设备的连接,还可实现数据处理系统对内部存储模块和外部存储设备的数据存取功能,从而使本发明的装置可以作为用户的个人移动存储中心。

INTERNATIONAL SEARCH REPORT

International application No. PCT/CN03/00823

A. CLASSIFICATION OF SUBJECT MATTER					
G06F12/00 According to International Patent Classification (IPC) or to both national classification and IPC					
В.					
Minimum documentation searched (classification system followed by classification symbols)					
G06F12/00 (IPC7)					
Do	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
the chinese documents since 1985					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
WPI, EPODOC, CNPAT, PAJ control+, interface, storag+, IEEE 1394, USB					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
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Category*		Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.	
	X	CN2513159Y(abstract, Fig 1 to 4)		1-19	
	X	CN1367438A(abstract, Fig 1 to 4)		1-19	
	х	EP1146428 A1(abstract, Page 3 column 33 to	Page 4 column 51, Fig 2 and Fig 7)	1-19	
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Date of the actual completion of the international search			Date of mailing of the international search report		
24.11.03			0 4 DEC 2003 (0 4. 1 2. U 3)		
Name and mailing address of the ISA/CN 5 Xitucheng Rd., Jimen Bridge, Haidian District,			Authorized officer		
100088 Beijing, China Facsimile No. 86-10-62019451			Telephone No. 86-10-62084996	, , , , , , , , , , , , , , , , , , ,	
Form	PCT/IS/	/210 (second sheet) (July 1998)	<u> </u>		